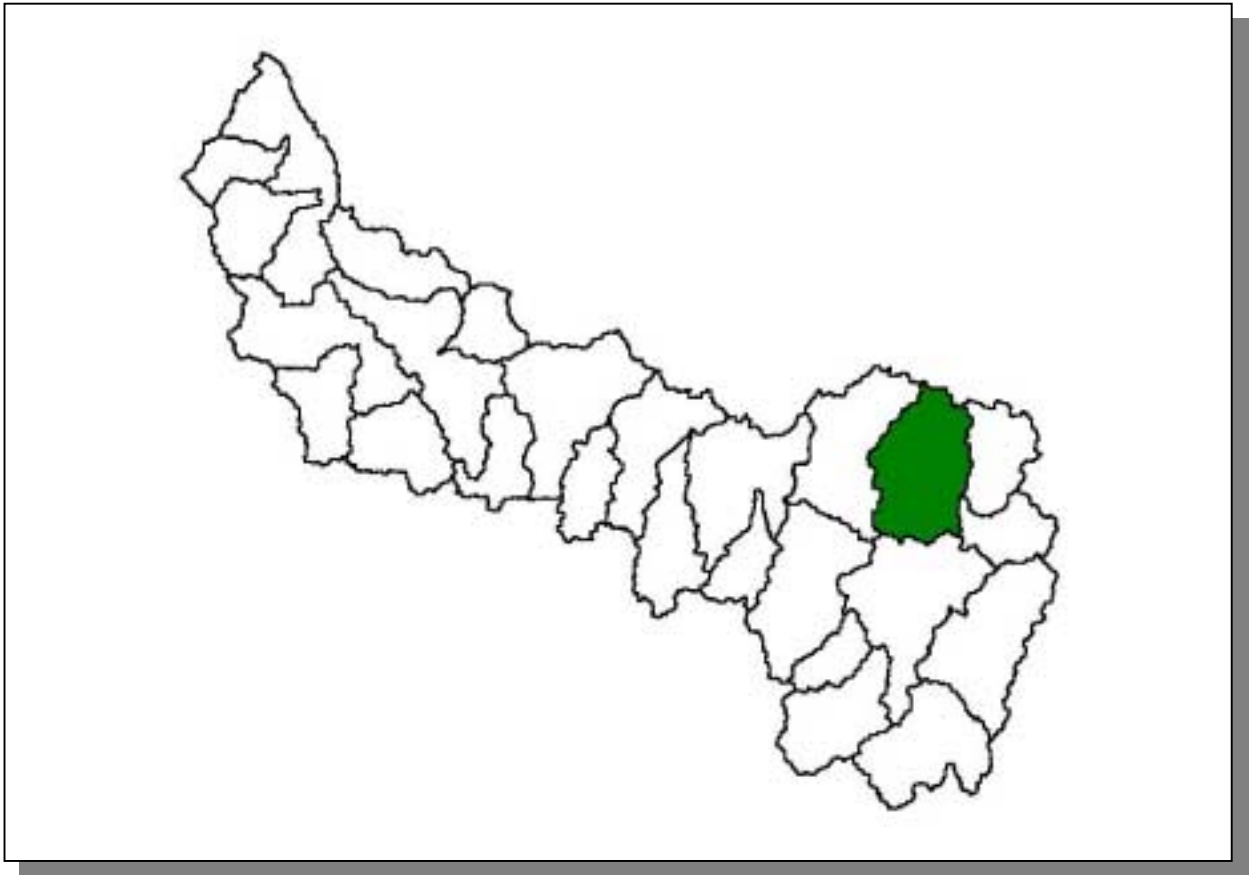
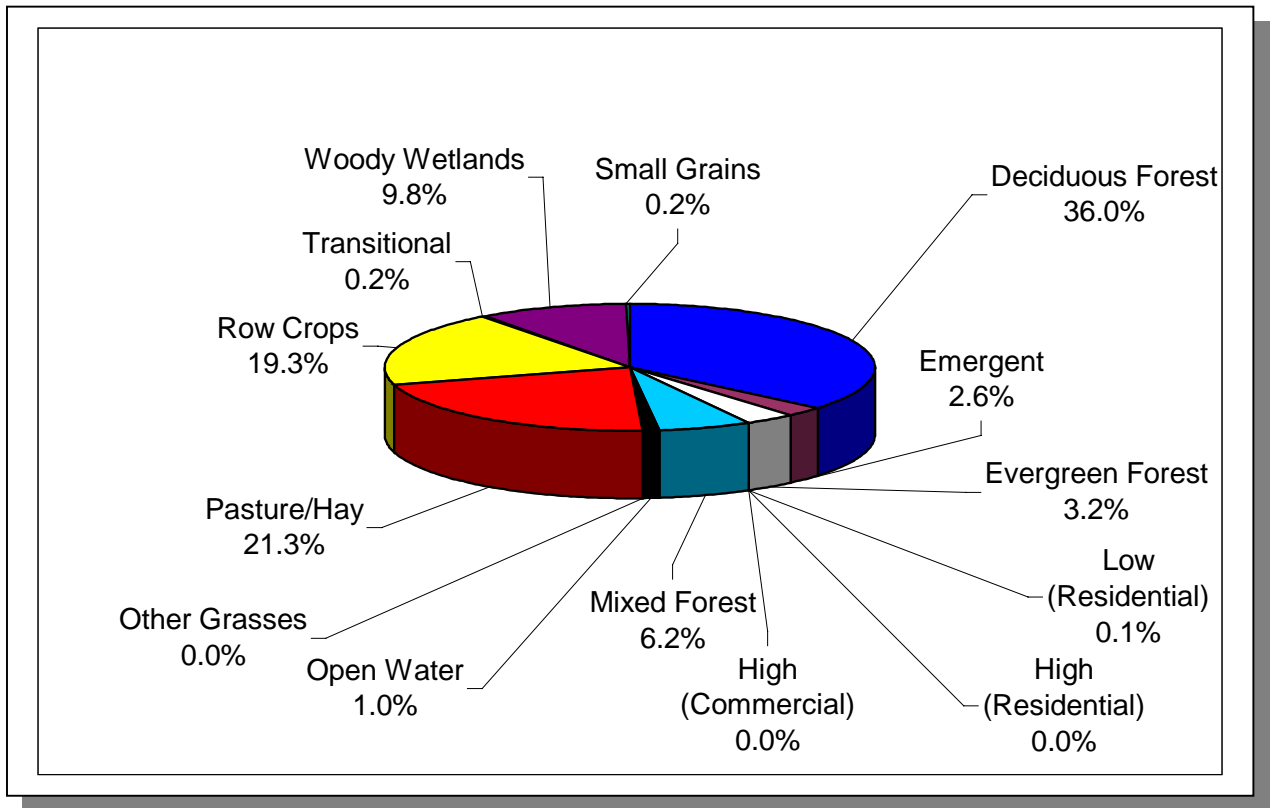


4.2.I. 08010205090.

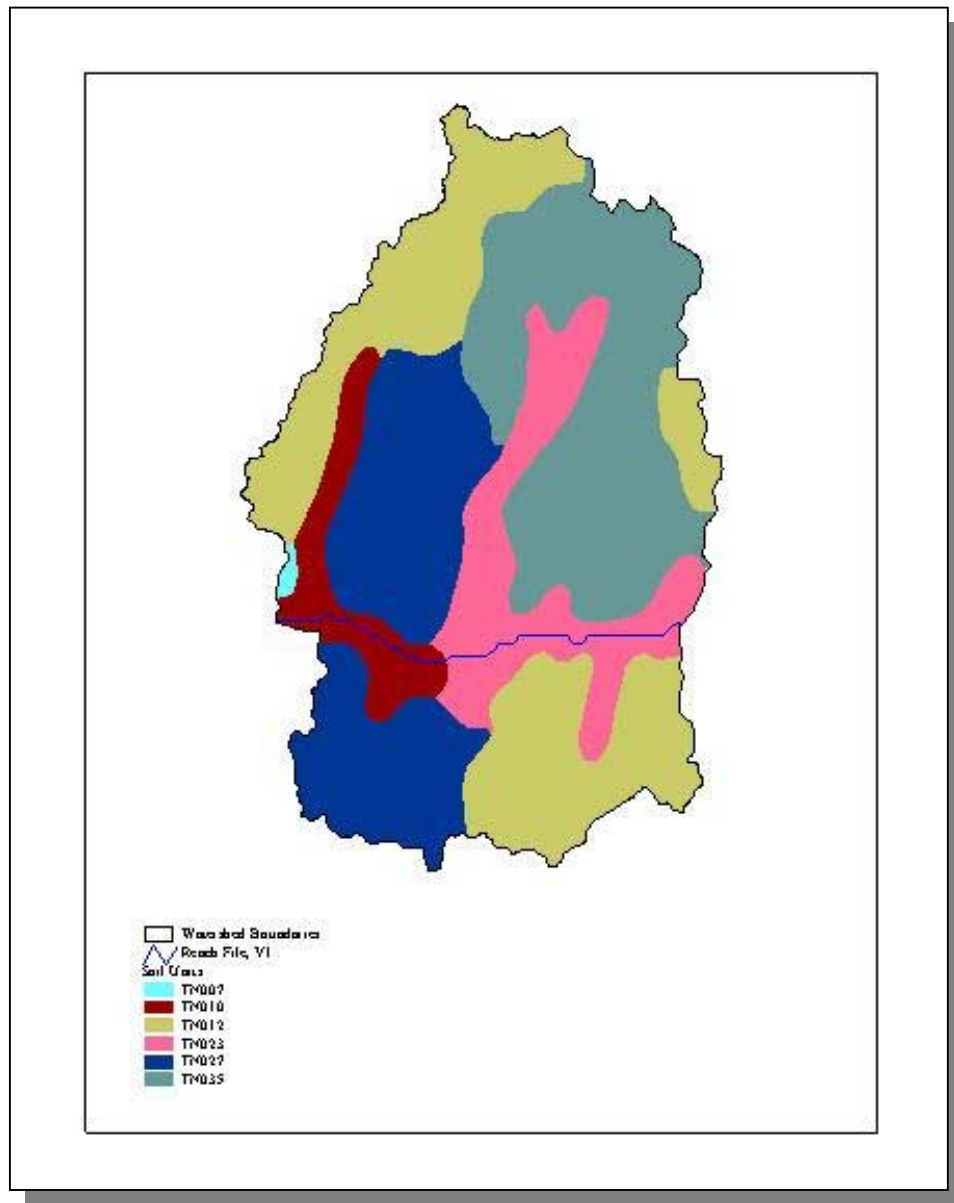


**Figure 4-35. Location of Subwatershed 08010205090.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

**4.2.I.i. General Description.**



**Figure 4-36. Land Use Distribution in Subwatershed 08010205090.** More information is provided in SFFD-Appendix IV.



**Figure 4-37. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205090.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.30	Silty Loam	0.39
TN023	17.00	C	1.35	5.12	Silty Loam	0.40
TN027	0.00	C	1.26	5.25	Silty Loam	0.41
TN035	16.00	C	1.46	4.97	Silty Loam	0.40

**Table 4-44. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205090.** More information is provided in SFFD-Appendix IV.

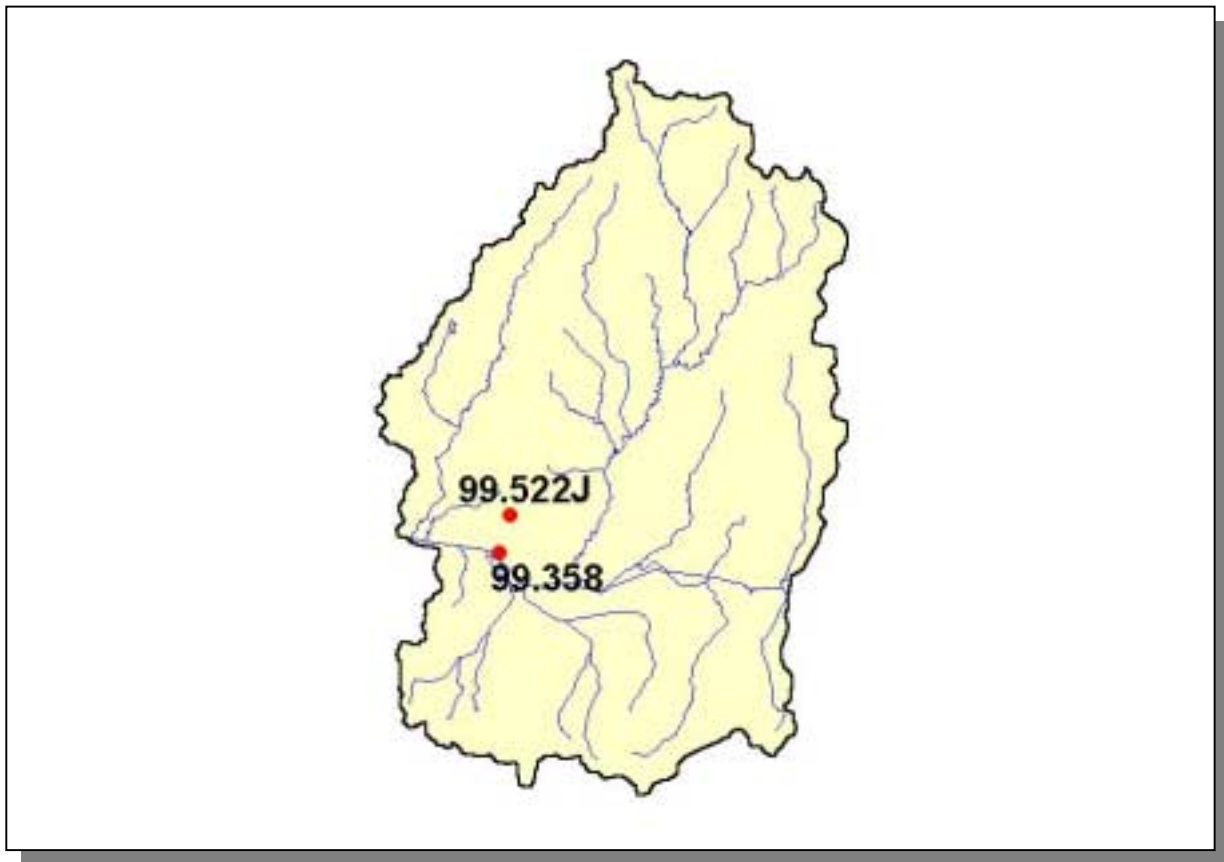
	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Chester	12,819	14,469	3.22	413	466	12.8
Henderson	21,844	24,000	4.04	882	969	9.9
Madison	77,982	84,942	4.68	3,647	3,972	8.9
<b>Totals</b>	<b>112,645</b>	<b>123,411</b>		<b>4,942</b>	<b>5,407</b>	<b>9.4</b>

*Table 4-45. Population Estimates in Subwatershed 08010205090.*

**4.2.I.ii.** Point Source Contributions.



*Figure 4-38. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205090. More information, including the names of facilities, is provided in SFFD-Appendix IV.*



**Figure 4-39. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205090.**  
More information is provided in SFFD-Appendix IV.

**4.2 I.ii.a.** Dischargers to Waterbodies Listed on the 1998 303(d) List.

There is one NPDES facility discharging to water bodies listed on the 1998 303(d) list in Subwatershed 08010205090:

- TN0023272 discharges to RM 0.1 of a tributary to the North Fork of the South Fork Forked Deer River @ RM 8.1



**Figure 4-40. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205090.** The names of facilities are provided in SFFD-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN
TN0023272	0	0	0	0.005

**Table 4-46. Receiving Stream Flow Information for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205090.** Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD <sub>5</sub>	NH <sub>3</sub>	FECAL
TN0023272	X	X	X

**Table 4-47. Monitoring Requirements for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205090.**

**4.2.I.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Hogs	Chickens	Sheep
808	2,721	<5	1,183	<5	12

**Table 4-48. Summary of Livestock Count Estimates in Subwatershed 08010205090.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	11.12
Soybeans (Row Crops)	7.34
Cotton (Row Crops)	11.19
Other Cropland not Planted	3.57
Grass (Pastureland)	0.57
Grass, Forbs, Legumes (Mixed Pasture)	2.18
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.40
Conservation Reserve Program Land	0.42
Grass (Hayland)	0.51
Wheat (Close Grown Cropland)	5.36
Other Vegetable and Truck Crops	13.10
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Legume Grass (Hayland)	0.21

**Table 4-49. Annual Estimated Total Soil Loss in Subwatershed 08010205090.**